

4 08821-67

ACC NR: AT6023091

|                              | Motor | Generator |
|------------------------------|-------|-----------|
| Nominal power (kw)           | 7.5   | 6.4       |
| Angular speed (rpm)          | 3000  | 3000      |
| Voltage (volts)              | 380   | 400/230   |
| Power factor ( $\cos \phi$ ) | 1.0   | 0.8       |
| Frequency (cps)              | 50    | 500       |
| Efficiency                   | 0.85  | 0.80      |
| Excitation voltage (volts)   | 65    | 33.5      |
| Excitation current (A)       | 3.0   | 8.0       |
| Overload capacity            | 1.68  |           |

|                              |      |         |
|------------------------------|------|---------|
| Nominal power (kw)           | 7.5  | 6.4     |
| Angular speed (rpm)          | 3000 | 3000    |
| Voltage (volts)              | 380  | 400/230 |
| Power factor ( $\cos \phi$ ) | 1.0  | 0.8     |
| Frequency (cps)              | 50   | 500     |
| Efficiency                   | 0.85 | 0.80    |
| Excitation voltage (volts)   | 65   | 33.5    |
| Excitation current (A)       | 3.0  | 8.0     |
| Overload capacity            | 1.68 |         |

The overall efficiency of the converter is 0.75. The absence of brushes provides reliable service-free operation. The synchronous motor makes for constant output frequency. Orig. art. has: 9 figures, 1 table.

SUB CODE: 09/ SUBM DATE: none/

ORIG REF: 002

Card 2/2 net

L 38667-66 EWT(1)  
ACC NR: AR6014545

SOURCE CODE: UR/0196/65/000/011/I025/I026

AUTHOR: Vayvars, Yu.; Kokle, Yu. Skruzitis, K.

TITLE: New contactless frequency changer *✓*

SOURCE: Ref. zh. Elektrotehnika i energetika, Abs. 11I163

REF SOURCE: Sb. Beskontakt. elektr. mashiny. Vyp. 4. Riga, Zinatne, 1965, 107-114

TOPIC TAGS: frequency changer, frequency converter, inductor machine

ABSTRACT: A new type of rotary contactless frequency changer was designed and built at the Power-Engineering Institute, AN LatSSR. The changer comprises two machines in one frame: a motor represented by a contactless 3-phase synchronous machine with claw-type poles and external yoke and a generator represented by a 3-phase hetero-polar inductor machine with 2-tooth winding and two tooth pitches on the stator. The rated power (at the generator end) is 6.4 kw; 3000 rpm; 400/230 v; efficiency, 0.80. Nine figures. One table. Bibliography of 2 titles. G. Salgus [Translation of abstract]

SUB CODE: 09

Card 1/1

vmb

UDC: 621.314.261.(047.1)

KOKLIK, V. S.

Condensers (Steam)

Assembly of tubing in steam turbines condensers. Rab.energ., 2, no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.  
2

KOKLIK, ENG. V. S.

Furnaces

New construction for reinforcing the combustion chamber. Elek. sta. 23 no. 7, 1952

9. Monthly List of Russian Accessions, Library of Congress, November 1952, Uncl.  
2

1. KOKLIK, V.S.
2. USSR (600)
4. Cranes, Derricks, Etc.
7. Combination tower for tubing, Eng., Elek.sta. 24 no. 3, 1953.
  
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

KOKLIN, V.S.

BENDERSKIY, I.I., inzhener; KOKLIN, V.S., inzhener.

Installing and boiler units in boiler installations. Elek.sta.  
28 no.9:75-76 S '57. (MIRA 10:11)  
(Boilers)

KOKLIK, V.S., insh.

Mechanized welding of pipelines. Energ.stroi. no.4:48-50  
'59. (MIRA 13:8)

1. Proyekttnaya kontora tresta "Yushteploenergomontazh".  
(Pipelines--Welding)

KOKLIK, V.S., inzh.

Use of propane-butane for cutting metal in the assembly of the heat-generating equipment of electric power plants. Energ. stroi. no. 20: 137-140 '61. (MIRA 1501)

1. Proyektnaya kontora tresta "Yuzhteploenergomontazh".  
(Gas welding and cutting)  
(Electric power plants--Equipment and supplies)

KOKLIN, I.M., master; KONSTANTINIDI, K.P., slesar'-elektrokhodovik

Device speeding the grinding of wheel pairs. Elek. i tepl. tsiaga  
5 no. 11:29 N '61. (MIRA 14:11)

1. Depo Dzhambul Kazakhskoy dorogi.  
(Diesel locomotives—Maintenance and repair)

KOKLYANOV, A. F.

99-58-4-3/7

AUTHORS: Bolotova, N.P.; Vinokur Ya.Ye.; Girshkan, S.A.; Koklyanov, A.F.; Kundzich, M.M.; Nefedov, V.D.; Offengenden, S.R.; Pishchikov, R. S.; Poslavskiy, V. V.; Tomilov, Y. S.; Sharov, N. A.; Shtarev, Ya. K.; Shmibladze, K. K.

TITLE: Means of Raising the Technical Level and Lowering the Construction Cost of Irrigating and Meliorating Systems (Puti povyseniya tekhnicheskogo urovnya i snizheniya stoinosti stroitel'stva orositel'nykh, osushitel'nykh i obvodnitel'nykh sistem)

PERIODICAL: Gidrotekhnika i Melioratsiya, 1958, # 4, pp 17-39 (USSR)

ABSTRACT: A general review of past achievements and future tasks in the field of irrigation and melioration is given. The main deficiencies in the field are: insufficient mechanization of construction work, a shortage of excavating machines and other construction equipment, late deliveries of spare parts for machines and a too wide dispersal of funds over a multitude of enterprises. The main shortcomings at the planning stage are: insufficient use of means to cut down filtration losses of water in the canals; insufficient utilization of sprinkling; insufficient development of drainage systems, a careless leveling of irrigated fields, the most important factor in an

Card 1/3

99-58-4-3/7

Means of a Raising the Technical Level and Lowering the Construction Cost  
of Irrigating and Meliorating Systems

economical use of water. During the 6th 5-year plan, the drainage system in the south-western parts of the Belorussian SSR, in the Poles'ye part of the Ukrainian SSR, and in other parts of the USSR, is to be greatly developed. Only 8,4 million hectares out of a total of 200 million hectares of marshes or marshy soils were being drained at the beginning of 1957. More than 4 million of these undrained hectares are used as natural meadows and pastures with low yields. The article also recommends to replace the system of open drainage ditches by subsurface drains.

During the 6th 5-year plan 81,1 million hectares will be watered by new wells, reservoirs, artificial lakes and spring water. Many sheep-breeding farms in Uzbekistan will install electric pumps, until now impossible due to the shortage of needed equipment. In 1957 production of hydraulic equipment lagged considerably behind requirements. The article lists the various projects to be constructed in various republics. The melioration works will cover an area of 13 million hectares in the Belorussian and Ukrainian SSR; the acreage of arable land will be increased by 3,8 million

Card 2/3

99-58-4-3/7

Means of a Raising the Technical Level and Lowering the Construction Cost  
of Irrigating and Meliorating Systems

hectares.

There are 8 photos and 1 table and 4 maps.

AVAILABLE: Library of Congress

Card 3/3

SHUBLADZE, K.; VINOKUR, Ya.; LEVANOVSKIY, L.; KOKLYANOV, A. F.

Current problems in the development of irrigation. Vop. ekon.  
no.4:36-44 Ap '61. (MIRA 14:3)  
(Irrigation farming)

SHUBLADZE, K.K., kand.sel'skokhozyaystvennykh nauk; LEVANOVSKIY, L.B.,  
kand.tekhn.nauk; KOKLYANOV, A.F., inzh.

Fundamental problems in the reclamation of land. Gidr. i mel. 13  
no.8:11-20 Ag '61. (MIRA 14:8)

(Drainage)

KOKLYAYEV, Aleksandr Ivanovich, kand.sel'khoz.nauk; KOKLYAYEVA,  
Polina Vladimirovna, kand.sel'khoz.nauk; ULIN, I.I., red.;  
SAYTANIDI, L.D., tekhn. red.

[Buckwheat is a valuable crop] Grechka - tsennaia kul'tura.  
Moskva, Izd-vo M-va sel'.khoz.RSFSR, 1961. 82 p.

(MIRA 15:7)

(Buckwheat)

KOKLYAYEV, Aleksandr Ivanovich, kand.sel'khoz.nauk; KOKLYAYEVA,  
Polina Vladimirovna, kand.sel'khoz.nauk; ULIN, I.I., red.;  
SATTANIDI, L.D., tekhn. red.

[Buckwheat is a valuable crop] Grechikha - tsennaya kul'tura.  
Moskva, Izd-vo M-va sel'.khoz.RSFSR, 1961. 82 p.

(Buckwheat)

(MIRA 15:7)

KONONOVA, B.S.; KAUSHANSKAYA, R.M.; KOKLYUGINA, A.I.; MEYERGUZ, M.F.

Late results of the treatment of tuberculous meningitis by  
a compound method in the Moldavian S.S.R. Zdravookhranenie  
6 no.3:49-51 My-Je'63 (MIRA 16:11)

1. Iz: Moldavskogo nauchno-issledovatel'skogo instituta tu-  
berkulezma (dir. - kand.med.nauk M.A.Burlachenko).

\*

KOKMAN, F.S.

ZISLIN, D.M.; YASAKOVA, O.I.; LEBEDINA, G.G.; KOKMAN, F.S.

Pneumonia in influenza. Sovet.med. No.3:16-18 Mar 51. (CIML 20:6)

1. Docent D.M. Sislin; Candidate Medical Sciences O.I.Yasakova.
2. Of the Faculty Therapeutic Clinic of Sverdlovsk Medical Institute  
(Head--Prof. B.P.Kushlevskiy).

KOKOCHA, B.

Kokocha, B. Still more about the work of institutes. p. 252.

**CHEMIK**

Vol. 7, No. 9 Sept. 1954      Warszawa, Poland

So; Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10 Oct. 56

DOBRZYSKI, Zbigniew; KOKOCHA, Barbara; WALTERESIEWICZ, Irena.

Evaluation of results of 1520 cases of pleuroscopy and pneumonolysis.  
Gruslica 23 no.9:643-646 Sept. 55.

1. Z Państwowego Sanat. Przeciwgruśliczego w Tuszynku. Dyr.: dr.  
S.Piolo. Sanatorium Przeciwgruślicze w Tuszynku koło Łodzi.  
(COLIAPSE THERAPY,  
pneumonolysis with pleuroscopy, results)

DOBRZYSKI, Zbigniew; BAZYLEWICZ, Tadeusz; KOKOCHA, Barbara;  
WARTERESIEWICZ, Irena; WOJTAŁ, Stanisław; ZABROCKA, Barbara

Comparison of the early and late results of pneumothorax  
treatment in pulmonary tuberculosis. Gruslica 24 no.8:  
719-724 Aug 56.

1. Z Państwowego Sanatorium Przeciwgruśliczego w Tuszyku  
Dyrektor: dr. med. M. Czkwianianc.  
(PNEUMOTHORAX, ARTIFICIAL, statist.  
comparison of early & late results)

DOBROZINSKI, Zbigniew; BAZYLEWICZ, Tadeusz; KOKOCHA, Barbara;  
WARTERESIECICZ, Irena; WOJTAL, Stanislaw; ZALEWSKA, Barbara

Pneumothorax treatment in cases of bilateral tuberculosis.  
Gruzlica 24 no.8:725-728 Aug 56.

1. Z Państwowego Sanatorium Przeciwgruźliczego w Tussynku  
Dyrektor: dr. med. M. Czkwianianc.  
(PNEUMOTHORAX, ARTIFICIAL  
in bilateral pulm. tuberc.)

KOKOCHA, Barbara; ROMANSKI, Bogdan

Biostimin in the treatment of bronchial asthma. Pol. tyg. lek. 17  
no.3411340-1343 20 Ag '62.

1. Z Poradni Chorob Alergicznych I Kliniki Chorob Wewnętrznych AM w  
Gdańsku; kierownik Kliniki: prof. Marian Gorski.  
(ASTHMA) (ALOE)

KOKOCZA, Barbara; ROMANSKI, Bogdan; CHYREK-BOROWSKA, Sabina

Results of therapeutic specific desensitization of patients  
with allergic bronchial asthma. Pol. arch. med. wewnetr. 34  
no. 5:575-578 '64

1. Z Poradni Chorob Alergicznych I Kliniki Chorob Wewnetrznych  
Akademii Medycznej w Gdansku (Kierownik: prof. dr. med. M.Gorski).

KOKOCHASHVILI, G.-V.

Def. at  
Tbilisi State U.

*Journal des Débats* et *Journal des Finances* (1851-1852).

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**APPROVED FOR RELEASE: 06/19/2000**

CIA-RDP86-00513R000723710006-5"

KOKOCHASHVILI, Georgiy Vasil'yevich

[Rapana. Tbilisi, Detiunizdat Gruz.SSR "Nakaduli,"] 1961.  
29 p. [In Georgian] (MIRA 17:5)

KOKOCHASHVILI, M. I.

Nephrolithiasis in children. Pediatrilia, Moskva no.5:37-41  
Sept-Oct 1950. (CIML 20:1)

1. o. Of the Children's Surgical Orthopedic Clinic (Head —Prof. M.  
I. Kokochashvili). Tbilisi Medical Institute and of the Children's  
Surgical Orthopedic Division Tbilisi First Municipal Hospital,  
Tbilisi.

KCKOOHASHVILI, M.I.

Sarcoma of the prostate in a three-year-old boy. Khirurgiia no.9:68  
8 '53. (MLBA 6:11)

1. Iz detskogo khirurgicheskogo otdeleniya 1-y Tbilisskoy gorodskoy  
bol'nitsy. (Prostate gland--Tumors)

KOKOCHASHVILI, M.I.

[Emergency surgery of the abdomen in children; acute abdomen]  
Neotloshnais khirurgia briushnoi polesti u detei; cetryi zhivot.  
Tbilisi, Grusmedgiz, 1956. 175 p. (MLRA 10:4)  
(ABDOMEN—SURGERY)

KOKOCHASHVILI, M.I., prof.

Diagnostic errors in acute appendicitis in children. Khirurgia  
32 no.10:46-53 O '56 (MIRA 12:7)

1. Iz kafedry detskoy khirurgii s ortopediyey (zav. - prof. M. I.  
Kokochashvili) Tbilisskogo gosudarstvennogo meditsinskogo in-  
stituta.

(APPENDICITIS, in inf. and child  
diag. differ. diag.)

KOKOCHASHVILI, O.Sh.

Some problems in the efficient calculation of water supply systems.  
[in Georgian with summary in Russian]. Trudy Inst. stroi. dela AN  
Gruz. SSR 4:149-163 '53. (MIRA 9:10)

(Water supply engineering)

KOKOCHASHVILI, O. Sh.

The classification of basic types of curves requiring free thrusts,  
discharges and energy graphs. Trudy Inst.stroi.dela AM Gruz.SSR 5:  
217-232 '55. (MLRA 9:8)

(Water supply engineering)

KOKOASHVILI, O.Sh.

Determining by the analytic method the most suitable number of zones  
in parallel systems of water supply [in Georgian with summary in  
Russian]. Trudy Inst.stroi.dela AM Gruz.SSR 5:233-239 '55.  
(MLRA 9:8)

(Water supply engineering)

KOKOCHASHVILI, O.Sh.

Using the analytical method for determining the most efficient  
number of zones in parallel water supply systems [in Georgian  
with summary in Russian]. Trudy Inst. stroi. debla AN Gruz. SSR  
5:213-220 '57. (MIRA 11:8)  
(Water-supply engineering--Tables, calculations, etc.)

KOKOCHASHVILI, O.Sh.

Determining zone borders in zonal water-supply systems. Trudy  
Inst,stroi.dela AN Gruz.SSR 7:229-244 '59.  
(MIRA 13:5)  
(Water-supply engineering)

KOKOCHASHVILI, O.Sb.

A systematic list of principal engineering techniques for  
artificial enrichment of ground water. Trudy Inst. energ. AN  
Gruz.SSR 16:205-212 '62.  
(Water, Underground) (MIRA 16:4)

Dispersity of organosols of lead obtained by mentioned dispersion. N. I. Andronikashvili and Vasilii Kharlamov,  
USSR Patent Office, Leningrad, No. 4, 829-65 (1948) (in German and Russian).—  
Pb organosols in  $\text{MgO}_4$  obtained by the previously de-  
scribed (C.A. 38, 3026) method, heating method for 10, 30,  
and 120 min., were subjected to centrifugal fractionation.  
From the extil. time- $\times$ -extinction curves, integral dis-  
tribution curves of  $0\%$  ( $0\%$  ext.) against particle radius  $r$   
and differential  $d\sigma/dr$  curves against  $r$  were constructed.  
The latter show that in the initial stages of the dispersion  
process the min.  $r$  decreases from  $2.0 \times 10^{-9}$  cm. to  $2.9 \times$   
 $10^{-9}$  cm. from the 10- to the 30-min. sed but increases  
again on further prolonged dispersion to  $3.0 \times 10^{-9}$  cm.  
with the 120-min. sed. The assumption of a partial pairing  
of the finest particles on prolonged dispersion is borne  
out by the appearance of a second max. on the 120-min.  
 $d\sigma/dr$  curve at about  $r = 4.5-5.3 \times 10^{-9}$  cm., which is  
very nearly twice the min.  $r$  of the 30-min. sed. The  $d\sigma/dr$   
curves of the 10- and the 30-min. sed show only one  
sharp max. at the min.  $r$  against a constant, low background  
at higher  $r$ ; this indicates that these sed are practically  
monodisperse.

N. T.

APPROVED FOR RELEASE: 06/19/2000

**CIA-RDP86-00513R000723710006-5"**

MUKOCHASHVILI, V. I.

THE JOURNAL OF CLIMATE

VIII. THE NEW CHURCH IN HAWAII

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Def. at  
Tbilisi State U.

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*ca*

Effect of the oxide on the dispersibility of metallic lead. R. E. Kharlamov and V. I. Gerasimov (Phys. and Geophys. Inst., Acad. Sci. Georgia S.S.R., Tbilisi). Bull. Acad. Sci. Georgia S.S.R. 7, 381-6 (1946).—The kinetics of colloidal state of Pb filings in 90% alc. (30 g. Pb per 50 ml. alc.) under the action of mech. shaking at various amplitudes  $A$  (up to 20 mm.) were investigated along with the kinetics of the absorption of  $O_2$  responsible for the dispersion of the Pb. At const.  $A$ , both the amt. of Pb dispersed and of  $O_2$  absorbed are linear functions of time until some is reached; this occurs at the same stage for both processes. The reactions are then shown to be of the 1st order; the rate of formation of the oxide film at the surface of the Pb grains is independent of the pressure of  $O_2$ . In terms of  $A$ , the slopes of the kinetic straight lines can be represented by  $\tan \alpha = b/A^2$  with the following numerical values for  $A = 2, 6, 8, 10, 12, 15$  mm., resp.: amt. of Pb dispersed  $\tan \alpha = 0.00099, 0.00737, 0.01912, 0.0383, 0.09817$ ; amt. of  $O_2$  absorbed,  $\tan \alpha = 0.003, 0.478, 0.204, 1.312, 1.700, 2.558$ ; for the 1st process,  $b = 0.00008$ , for the 2nd,  $b = 0.017$ ; for both processes,  $\alpha = 1.8^\circ$ . The curves representing the variation of  $\tan \alpha$  with  $A$  for the 2 processes are convex to the axis of  $A$  and are very close. Dispersion is accompanied by a decrease of the size of the grains far in excess of the amt. of Pb dissolved, i.e., larger grains, particularly those of 0.84-1.1 mm., are broken up preferentially; it indicates that the attack by  $O_2$  occurs preferably on the intergranular matter of polycryst. aggregates, probably because of its lesser compactness.

N. Thom

## APPENDIX METALLURGICAL LITERATURE CLASSIFICATION

| SEARCHED |          | SEARCHED |          | SEARCHED |          |
|----------|----------|----------|----------|----------|----------|
| SEARCHED | SEARCHED | SEARCHED | SEARCHED | SEARCHED | SEARCHED |

KOKOCHASHVILI, V. I.

Kokocharashvili, V. I. "The effect of various factors on the extent of spontaneous combustion of hydrogen mixtures with bromine," Soobshch. Akad. nauk Gruz. SSR, 1948, No. 8, p. 473-80

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949)

KOKOCHASHVILI, V.

PA 4849T96

USSR/Physics

Combustion Phenomena

Bromine - Hydrogen

Jan. 49

Experimental Investigation of the Combustion of Mixtures of Hydrogen and Bromine," V. Kokochashvili, Physicochem Inst, Acad Sci USSR, Moscow, 6 pp.

"Zar Fiz Khim" Vol XXIII, No 1

During initial stages, reaction of hydrogen and bromine is very evident. Appearance of detonations and brightness of explosions confirm the fact that explosions brought on by heat that are dependent on the combustion of H<sub>2</sub>Br<sub>2</sub> change at

USSR/Physics (Contd)

Jan. 49

high temperatures to the action of H<sub>2</sub>O<sub>2</sub> and 2HBr + O<sub>2</sub>, with resultant formation of H<sub>2</sub>O and Br<sub>2</sub>. Submitted 24 Mar 48.

4849T96

KOKOCHASHVILI, V.

PA 48/49T18

USSR/Chemistry - Explosives  
Chemistry - Bromine

Jan 49

Theory of Heat Explosion in the Reaction With  
Unbranched Chain Combustion of  $H_2 + Br_2$ , "With  
V. Kokochashvili, Physicochem Inst, Acad. Sci  
USSR, Moscow, 8 3/4 pp

Zhur Fiz Khim" Vol XIII, No 1

Reaction of Hydrogen and bromine is a chain re-  
action with unbranched chains. Relationship of  
reaction speed to temperature has been deter-  
mined by Bodenstejn and Lind. Mechanism of  
reaction in a case of unbranched chains does

48/49T18

USSR/Chemistry - Explosives (Contd)

Jan 49

not cause a chain reaction. Spontaneous com-  
bustion can occur only as a result of tempera-  
ture increase, caused by discharge of the heat  
of reaction. Gives two graphs: (1) relation-  
ship of heat conduction to  $H_2$  content and (2)  
relationship of spontaneous combustion pressure  
to mixture composition. Submitted 24 Mar 48.

48/49T18

KOKOCHASHVILI, V. I.

Tsetskhladze, T. V. and Kokochashvili, V. I. -"The effect of organic matter on the stability of an alco-suspension of oxide compounds of lead," Trudy Tbilis gos. un-ta im. Stalina, Vol. XXXIIIa, 1949, p. 85-88. - Bibliog: 5 items

SO: U- 5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

KOKICHAASHVILI, V. I.

TA 247718

USSR/Chemistry - Kinetics of Combustion May 50

"Heat Ignition of a Mixture of Hydrogen and Bromine," V. I. Kokicchaashvili, Tbilisi State U. Stalin

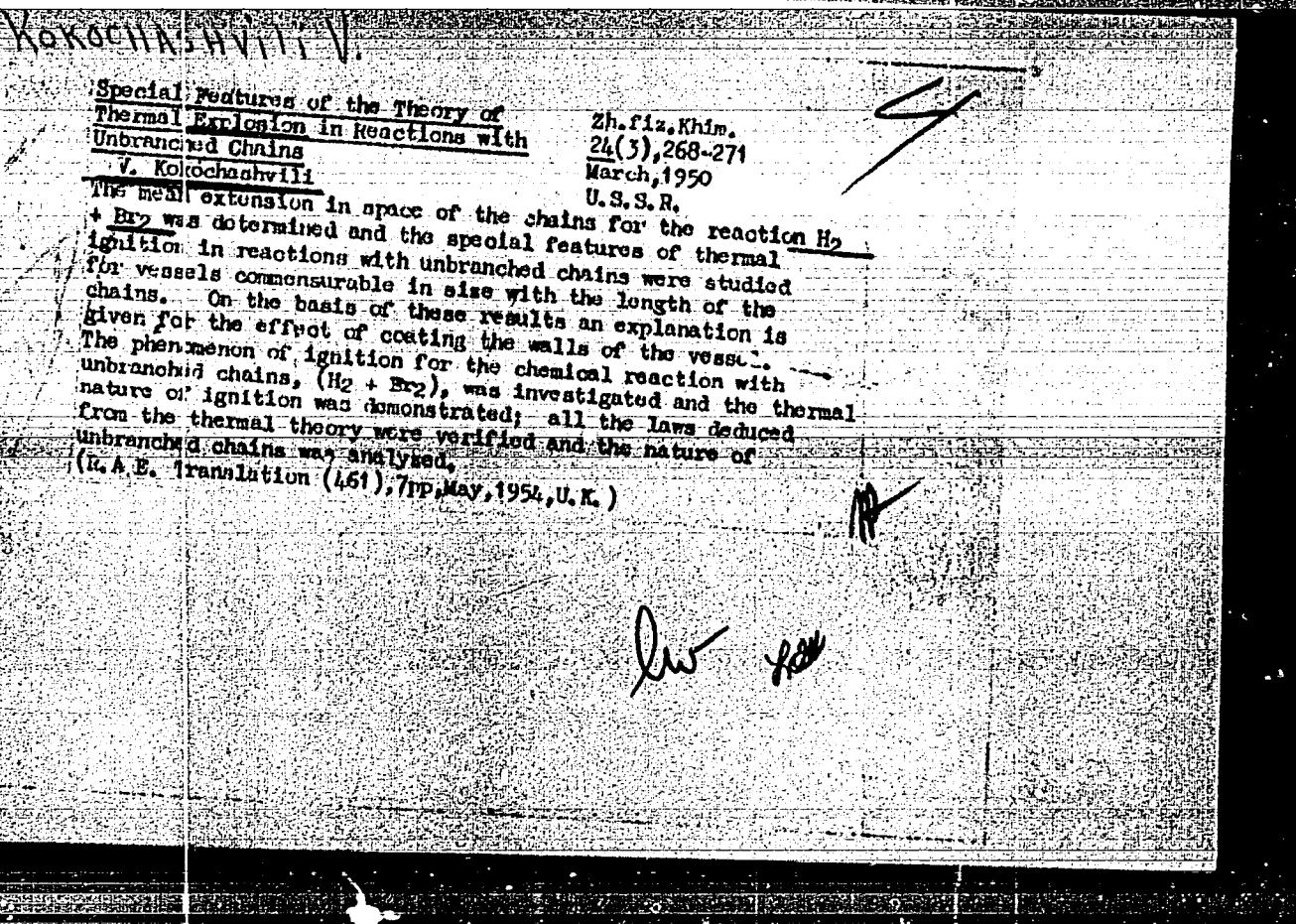
Sooobshcheniya Akad Nauk Gruz SSSR, Vol 11, No 2,  
pp 85-92

The conditions for the explosion of H and Br are  
dicted by the relationship between the rate of heat  
evolution and the rate of heat removal. The rate  
of heat evolution is in turn dicted by the rate and  
heat of the reaction. The latter two factors were

247718

dicted mathematically. A curve was constructed repre-  
senting the crit pressure to compn from theoretical  
considerations. It coincided favorably with exptl.  
data. The work refers to a previous report by the  
author, "Investigation of Phenomena of Combustion  
of H<sub>2</sub> - Br<sub>2</sub> Mxt," Soob Akad Nauk Gruz SSR, Vol 5,  
No 1, 1955. Presented by Act Mem Acad Sci Georgian  
SSR R. I. Agladze 13 May 49

247718



KOKOCHASHVILI, V. I.

180728

URSS/Chemistry - Kinetics of Combustion APR-51

"Characteristics of the Combustion of Mixtures of Hydrogen and Bromine," V. I. Kokochashvili, State U imeni I. V. Stalin, Tbilisi

"Zhur. Fix. Khim." Vol. XXV, No 4, pp 444-452

Exam'd extent of flame propagation in Br-H mixt of different compn. Discussed: varying flame propagation in different mixt from top to bottom and bottom to top of tube depending on compn; dependence of rate of propagation on pressure, compn of mixt, tube diam; unusual behavior of flame front in breaking up into several distinct curved parts. Theoretically worked out problem of stability of planar flame front

LG

180728

*Chemical*  
Adsorption of vapors of some organic compounds on mica  
surfaces. S. Grigulava and V. Kokochashvili. Tinty Tbilisi,  
USSR, 1954, No. 62, p. 104. Reprint. Zvezda, Kiev, 1955,  
No. 2291. — The adsorption of vapors of benzene, toluene,  
 $C_6H_5(OH)_2$ ,  $CHCl_3$ ,  $CCl_4$ ,  $Me_2CO$ , and pyridine on mica  
was studied. The adsorption of these vapors is by van der  
Waals forces. M. Hosszú.

*2*

*M. L.*

ABASHIDZE, K.; KOKOCHASHVILI, V.

Kinetics of ethyl acetate formation depending on the solvent [in Georgian with summary in Russian]. Trudy Tbil. GU no.62:183-188 '57. (MIRA 11:7)

1.Tbilisskiy gosudarstvennyy universitet imeni Stalina, kafedra fizicheskoy khimii.  
(Ethyl acetate) (Chemical reaction, Rate of)

31957  
S/081/61/000/023/005/061  
B108/B147

11.7100

AUTHORS: Labadze, Ks., Kokochashvili, V.

TITLE: Thresholds of spontaneous ignition of ethane-chlorine mixtures

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1961, 56, abstract 23B409 (Tr. Tbilissk. un-ta, v. 74, 1959, 275 - 282)

TEXT: The spontaneous-ignition thresholds of various ethane-chlorine mixtures are studied. The threshold value is largely dependent on the condition of the walls of the reaction vessel. Annealing and evacuation of the vessel made it possible to reproduce the experiments. Insignificant traces of reaction products cause a considerable change in the spontaneous-ignition threshold. The logarithm of the ratio critical pressure/temperature as plotted against the inverse temperature of the spontaneous-ignition threshold is a straight line. This indicates that the threshold values are in good agreement with the known Semenov equation, in which the coefficient A = 2800. An increase in the chlorine content leads to a

Card 1/2

Thresholds of spontaneous ignition ...

31957  
S/081/61/000/023/005/061  
B108/B147

decrease and an extension of the spontaneous-ignition thresholds.  
[Abstracter's note: Complete translation.]

Card 2/2

S/120/62/000/006/007/029  
E032/E114

AUTHORS: Kokochashvili, V.I., Mirianashvili, G.M.,  
Burchuladze, A.A., and Dzhaparidze, K.G.

TITLE: A proportional counter and shielding system for  
radiocarbon dating

PERIODICAL: Pribory i tekhnika eksperimenta, no.6, 1962, 52-54

TEXT: A new proportional counter is described. It has a working volume of 4.5 litres and can withstand pressures of 10-15 atm. It is illustrated in Fig. 1, in which 7 is a copper cylinder 60 cm long (outer diameter 12.5 cm, wall thickness 0.5 cm). Copper was chosen on the basis of minimum radioactive contamination. The central wire is kept under tension by the copper piston 1 which lies inside a perspex insulator 2 which is 22 cm long and has a corrugated surface designed to minimise leakage currents. The anode is in the form of a tungsten wire surrounded by a guard ring 4. One end of the wire is taken out through the insulator 2 and the other is held in position by a spring 8 attached to a teflon holder which is supported by the porcelain tubes 6. This method of attachment ensures that high voltages up to 25 kV

Card 1/3

A proportional counter and shielding... S/120/62/000/006/007/029  
E032/E114

can be applied and the tension in the wire can be conveniently regulated. The evacuation and filling of the counter are carried out through the valve 10. The working gas for the counter was prepared in a special installation in which the specimen under investigation was first burned in a stream of oxygen flowing through a stainless steel tube at a temperature about 500 °C. This was followed by chemical conversion and final drying of the resulting CO<sub>2</sub>. In order to reduce the background of the counter it was surrounded by a Geiger counter screen in anti-coincidence with the proportional counter. At a pressure of 2 atm the counting rate for contemporary carbon was found to be 68.4 p.p.m. at a background (under similar conditions) of 27.3 p.p.m. This should ensure dating measurements of up to 43 000 years (48 hour counting interval). There are 4 figures.

ASSOCIATION: Tbilisskiy gosudarstvennyy universitet  
(Tbilisi State University)

SUBMITTED: September 30, 1961

Card 2/3

ACCESSION NR.: AR4036316

8/0081/64/000/004/B063/B064

AUTHOR: Kokochashvili, V.

SOURCE: Referativnyy zhurnal. Khimiya, Abs. 4B472

TITLE: The question of the mechanism of the combustion of carbon monoxide

CITED SOURCE: Tr. Tbilissk. un-ta, v. 80, 1961(1962), 325-331

TOPIC TAGS: carbon monoxide, combustion, combustion rate, burning, flame propagation, flame propagation rate, activation energy, carbon tetrachloride, hydrogen chloride

ABSTRACT: The effect of additions of  $\text{CCl}_4$  and HCl on the rate of propagation of the flame ( $v_o$ ) was studied in a CO-O<sub>2</sub> mixture in the presence of small amounts of H<sub>2</sub>. The magnitude of  $v_o$  was determined by the method of Stevens on the basis of the initial rate of movement of the flame, measured photographically in a round flask. Additions of 0.5-2%  $\text{CCl}_4$  and 0.2-15% HCl decreased  $v_o$ . Addition of HCl led to combustion of a dry CO-O<sub>2</sub> mixture in the absence of H<sub>2</sub>. HCl was shown to have a biphasic effect (accelerating and inhibitory) and  $v_o$ : concentrations of HCl up to 6% increased  $v_o$ , while a further increase in the HCl concentration de-

Card

1/2

ACCESSION NR: AR4036316

creased it. The energy of activation of combustion of the mixtures 82% CO - 15% O<sub>2</sub> - 1.5% H<sub>2</sub> - 1.5% N<sub>2</sub> and 82% CO - 15% O<sub>2</sub> - 3% HCl was found to be 24 and 68 kcal/mol, respectively. S. Polyak

SUB CODE: TD, FP

DATE ACQ: 10Apr64

ENCL: 00

Card: 2/2

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723710006-5

KOKOCHASHVILI, V.Kh., polkovnik meditsinskoy sluzhby

Outstanding aviation doctor. Voen. med. zhur. no.10:9  
O '65. (MIRA 18:11)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723710006-5"

KOKOCHA, Barbara; ROMANSKI, Bogdan

The sex and age factor in bronchial asthma morbidity. Pol. tyg. lek.  
19 no.10:347-349 2 Mr '64.

1. Z I Kliniki Chorob Wewnetrznych Akademii Medycznej w Gdansku  
(kierownik: prof. dr. med. Marian Gorski).

ROMANSKI, Bogdan; KOKOCHA, Barbara

Relation of occupations to bronchial asthma morbidity. Pol. tyg.  
lek. 19 no.12:423-425 16 Mr '64.

1. z Poradni Chorob Alergicznych I Kliniki Chorob Wewnętrznych  
Akademii Medycznej w Gdańsku (kierownik: prof. dr. Marian Górska).

KOKOCINSKA

Country: POLAND F  
Category: Microbiology - Physiology and biochemistry

Abs. Jour: Ref Zhur - Biol., No.19, 1958, 85966

Author: Zablocki, B.; Rolicka, M.; Kokocinska, I.

Institut.: -

Title: Comparative Studies of the Secretion by Staphylococci of Free and Combined Coagulases

Orig Pub: Med. Doswiad. i Mikrobiol., 1957, Vol.9, No.4,  
331-338

Abstract: Studies were made of 200 strains of staphylococci isolated from patients. It was shown that the pathogenic staphylococci form, simultaneously, both free and combined coagulase. For determination of the pathogenicity of staphylococci by their formation of combined coagulase, it is suggested that the microscopic slide method be used. From the authors' summary.

Z zakladu Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego.

Card: 1/1

-7-

KOKOCINSKA, Irena; KRUKOWA, Maria

Evaluation of dried feces specimens for bacteriological tests.  
Przegl. epidem. 18 no.1:123-125 '64.

1. Z Wojewódzkiej Stacji Sanitarno-Epidemiologicznej w Poznaniu  
(Dyrektor Stacji: doc. dr. med. S. Grzymala).

KOKOCINSKI, Wieslaw

Observations on the imaginal forms of *Acentropus niveus* Oliv.  
(Lepidoptera, Pyralidae). Nauki matem przyrod Torun no.8:149-  
169 '61.

1. Katedra Zoologii Systematycznej, Uniwersytet im. M.Kopernika,  
Torun.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723710006-5

KUDRYAVTSEV, V.I.; KOKOZEYEV, I.K.

Syngenetic copper potentials of Ordovician and Silurian sediments  
in the southern spurs of the Western Sayan Mountains (western  
Tuva). Trudy SNIIGGIMS no.35:112-115 '64.

(MIRA 18:5)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723710006-5"

KOKOJAN, J.

Thermic permeability of fabrics; method of measurement. p.341. (Textil, Praha, Vol. 9, No. 11, Nov. 1954)

SO: Monthly list of East European Accessions (EEAL), LC Vol 4, No. 6, June 1955

KOKOJAN, J.

Turning of glass yarn. p. 12.  
SKLAR A KERAMIK Vol. 5, No. 1, Jan. 1956  
Czechoslovakia

SOURCE: EAST EUROPEAN LISTS Vol. 5, No. 7, July 1956

KOKOJAN ✓

✓ Theory and practice of the blending of wool with artificial fibres.  
1. The tensile properties of break and para twist in the manipulation of the two components. J. Ciric and J. Kokojan (*Faserforsch. u. Textiltech.*, 1956, 7, 17-26).—A discussion is given of the relationship between the strength of mixed wool/artificial fibre spun yarn and the strength of the individual component fibres, and of the factors which influence this relationship (including the tensile, elongation at break and twist of the component fibres and twist of the spun yarn). A triangular graph is proposed for evaluating the strength properties of the mixed spun yarn, and its use is illustrated for fixing the properties of mixed spun yarns containing wool blended with varying proportions of yarns of viscose rayon and of silk. A discussion is also given of the factors which vary the strength, etc. of the spun yarns in subsequent weaving and in woven fabrics.

H. J. WHITAMHEAD.

2

GRUDA, J.; KOKOL, I.; RZYSKO, C.

Phosphomyosin and phospho-H-meromyosin formation during splitting  
of ATP. Bul Ac Pol biol 8 no.4:129-131 '60. (FEAI 9:10)

1. Department of Biochemistry. M.Nencki Institute of Experimental  
Biology, Polish Academy of Sciences. Presented by J.Heller.

(ADENOSINE TRIPHOSPHATES)

(MYOSIN)

(MEROMYOSINS)

(PHOSPHORUS)

(RADIOISOTOPES)

KOKOL, V.

Some thoughts on agrarian geography. p. 171

GEOGRAFSKI VESTNIK vol. 26, 1954

Yugoslavia

so. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 10 Oct. 1956

KOKOLE, V.

Geographical study of the basin of Novo mesto. p. 238  
Statute of the Geographical Society of Slovenia. p. 247

GEOGRAFSKI VESNIK vol. 26, 1954

Yugoslavia

so. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 10 Oct. 1956

KONOLE, V.

2d Congress of Slovenian Geographers in Maribor. p. 239  
Decisions of the 2d Congress of Slovenian Geographers. p. 242  
Council of Geographical Societies of Yugoslavia in 1954. p. 24.  
Geographical Society of Slovenia from February 1954 to February  
1955. p. 245

GEOGRAFSKI VESTNIK vol. 26, 1954

Yugoslavia

so. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 10 Oct. 1956

KOKOLE, V.

GEOGRAPHY & GEOLOGY.

KOKOLE, V. Nekateri danasnji in jutrisnji problemi Ljubljane (Some Present and Future Problems of Ljubljana); a book review, p. 390. Vol. 27/28, 1955/56 (published 1957).

Monthly List of East European Accessions (EEAI) Vol. 11, No. 2.  
April 1959 Unclass.

KIKOLE, V.

18th International Geographical Congress in Rio de Janeiro, 1956. p. 169.

GEOGRAFSKI VESTNIK. (Geografski drustvo v Ljubljani) Ljubljana, Yugoslavia.  
Vol. 29/30, 1957/58

Monthly List of East European Accessions (EEAI) LC Vol. 9, no. 2, Jan 1960

Uncl.

KOKOLE, V.

Geography and regional planning; a report to the 3d Congress of Geographers  
of Slovenia in Pcrtorose. p. 176.

GEOGRAFSKI VESTNIK. (Geografsko drustvo v Ljubljani) Ljubljana, Yougoslavia.  
Vol. 29/30, 1957/58.

Monthly list of East European Accessions (EEAI) LG Vol. 9, no. 2, Jan 1960

Und.

KOKOLE, V.

Posavje I (Posavje Region. Vol. 1); a book review. p. 198.

GEOGRAFSKI VESTNIK. (Geografsko drustvo v Ljubljani) Ljubljana, Jugoslavai.  
Vol. 29/30, 1957/58.

Monthly List of East European Accessions (EEAI) LC Vol 9, no.2, Jan 1960

Uncl.

KOKOLE, V.

Otok Susak (Island of Susak); a book review. p. 200.

GEOGRAFSKI VESTNIK. (Geografsko drustvo v Ljubljana, Yugoslavai.)  
Vol. 29/30, 1957/58.

Monthly List of East European Accessions (EEAI) LC Vol. 9, no. 2, Jan 1960

Uncl.

KOKOLE, V.

Bd Congress of Slovenian Geographers. p. 243.

GEOGRAFSKI VESTNIK. (Geografsko drustvo v Ljubljana, Jugoslavija.)  
Vol. 29/30, 1957/58.

Monthly List of East European Accessions (EEAI) LC Vol 9, no. 2, Jan 1960

Uncl.

KOKOLE, V.

Betassen Krakow and Warsaw; impressions from a trip through Poland. p. 5.

Periodical: GEOGRAFSKI ORZONIK.

GEOGRAPHY & GEOLOGY

Vol. 5, no. 3, 1958.

SO: Monthly List of East European Acquisitions (EEAI) IC

Vol. 8, No. 4  
April 1959, Unal.

KOKOLE, V.

In Eastern Poland, between the Baltic Sea and the Sudetes; impressions from a trip through Poland. (To be Contd.) p.6.

GEOGRAFSKI OBZORNIK. (Geografsko drustvo Slovenije in Zemljepisni muzej Slovenije)  
Ljubljana, Yugoslavia  
Vol. 6, no. 1/2, 1959

Monthly list of Eastern European Accession Index (EEAI) LC vol. 8, No.11  
November 1959  
Uncl.

KOKOLE, V.

5th Congress of the Geographers of Yugoslavia, p. 32.

GEOGRAFSKI OBZORNIK. (Geografsko drustvo Slovenije in Zemljepisni muzej Slovenije)  
Ljubljana, Yugoslavia  
Vol. 6, no. 1/2, 1959.

Monthly list of Eastern European Accession Index (EEAI) LC vol. 8, No. 11  
November 1959  
Uncl.

KOKOLE, Vladimir, dr.

Importance of the urbanization process of Slovenia.  
Geogr obz 10 no.1/2:1-3 '63.

1. Clan Uredniskega odbora, "Geografski obzornik".

KOKOLE, Vladimir, dr. (Ljubljana)

Functional classification of Slovenian towns. Geogr vest 34:  
21-60 '62.[publ.'63].

1. Clan Uredniskega odbora, "Geografski vestnik."

MARKOV, V.M.; KOKOLEV, M.V.

Splicing of aluminum-steel contact wires with temperature insert.  
Rats. predl. na gor. elektrotransp. no.9:69 '64.

(MIRA 18:2)

1. Tramvayno-trolleybusnoye upravleniye Chelyabinska.

VIRSIK, K.; RAJAN, A.; LIBIK, D.; LITOMERICKY, S.; VAGAC, M.;  
KOKOLEVSKA, A.

Results of tuberculin screening tests in pregnant women.  
Bratisl. lek. listy 43 Pt. 2 no.6:313-317 '63.

1. Ftizeologicka katedra SUDL v Pod. Biskupiciach, riaditel  
MUDr. K. Viršík.

(TUBERCULIN REACTION) (TUBERCULOSIS)  
(PREGNANCY COMPL, INFECTIOUS)

KOKOLIA, V.

Efficient control of completed work depends on exact recording.

p. 18  
Vol. 10, no. 5, May 1956  
ROLNICKE HLASY  
Praha

SO: Monthly List of East European Accessions (EFAL), LC, Vol. 5, no. 12  
December 1956

KOKOLJEVIC, M.

Location of industries in a modern war. p. 401. VOJNO-TECHNICKI GLASKIK.  
Beograd. Vol. 4, no. 6, June 1956.

SOURCE: East European Accessions List, (EEAL), Library of Congress,  
Vol. 5, no. 12, December 1956.

KOKOLJEVIC, M.

KOKOLJEVIC, M.; VELICKOVIC, P.

Some problems related to the preparation for military mobilization in agriculture. p. 161  
(GLASNIK, Vol. 4, No. 3, May/June 1957)

SO: Monthly List of East European Accessions (EEAL) LC Vol. 6, No. 12, Dec. 1957  
Uncl.

KOKOLJEVIC, M.

"Mobilization preparations as a field for scientific research."

p. 723 (Vojno-Tehnicki Glasnik) Vol. 5, no. 10, Oct. 1957  
Belgrade, Yugoslavia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

KOKOLIYA, T.G.; TSVETKOVA, L.I.

Pollution of the Neva Bay as related to the use of sewage.  
Trudy Gidrobiol. ob-va 14:151-158 '63. (MIRA 17:6)

1. Laboratoriya Glavnay nasosnoy stantsii kanalizatsii tsentral'noy chasti Leningrada.

SOV/120-59-2-50/50

AUTHORS: Timushev, G.F., and Kokon', I.D.

TITLE: A Remote Control Magnetic Field Meter  
(Distantionnyy izmeritel' magnitnogo polya)

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 2, p 154,  
(USSR)

ABSTRACT: When magnetic analysers are used in nuclear reaction studies, it is necessary to measure continuously the magnetic field. The corresponding magnetic field meter must, for safety reasons, be operated by remote control. Such a meter is shown in Fig 1. A similar instrument was described in Ref 1. The instrument consists essentially of a small frame 0.8 x 1.2 cm<sup>2</sup> in size and carrying 100 turns of 0.05 - 0.1 mm diameter wire. The frame is suspended in the magnetic field on nylon threads. The relative magnitude of the magnetic field is determined by measuring the current through the coil necessary to balance the couple due to a spiral spring one end of which is attached to the frame. For remote operation and inspection, closed circuit television is used. The position of the frame is determined by means of light reflected from a mirror attached to the

SOV/120-59-2-50/50

A Remote Control Magnetic Field Meter

frame. The accuracy of the instrument is better than 0.01%. To exclude random errors two such instruments are used at the same time.

Card 2/2 There are 1 figure and 1 Soviet reference.

ASSOCIATION: Nauchno-issledovatel'skiy institut yadernoy fiziki  
MGU  
(Scientific Research Institute for Nuclear Physics,  
Moscow State University)

SUBMITTED: June 28, 1958

14(10)

AUTHOR:

Kokon', I. D.

SOV/32-25-2-63/78

TITLE:

Designs of Vacuum Valves (Konstruktsii vakuumnykh ventiley)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 2, pp 241-247 (USSR)

ABSTRACT:

Two designs of vacuum valves are described: a valve of the bolt-wedge type and another of the bolt-hinge type. The article contains diagrams of both types of valves (Figs 1, 2) showing their working mechanisms. In 1953 a slide valve for pipes with a 20 mm diameter was manufactured by the "Fizpribor" plant according to the kinematic pattern described. Besides the valve types mentioned above a universal valve (Fig 3) Tsvl-100 for pipes with a diameter of 100 mm was developed, which can also be connected with diffusion pumps. It is a particular advantage to be found in this type of design that with the help of the PTI apparatus the high vacuum can be checked by the bellows while the valve is closed, so that the high vacuum is not affected. It is also possible to operate the valve by remote-control. In all the valves mentioned the multiple-thread bolts are made of steel, while the hubs are made of brass. The mechanisms operating in a vacuum are not lubricated.

Card 1/1

There are 3 figures.

KOKON', N.T.

Unscrewing drill pipes by means of a rotor on URB-2A drilling rigs.  
Geofiz. razved. no. 5:115-116 '61. (MIRA 15:3)  
(Boring machinery)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723710006-5

KOKONA, Shemshedin, dr.

Some data on the history of dysentery. Shendet pop 6 '62.  
(DYSENTERY BACILLARY)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723710006-5"

KOKONA, Shemshudin

Some data on *Shigella* species in Albania. Bul. univ. shtet.  
Tirane[Mjek] 4:46-55 '62.

(*SHIGELLA DYSENTERIAE*)

BLANDOV, P.I., kand. tekhn. nauk; LEVKOYeva, N.V., kand. tekhn. nauk; ZVEREV, I.I., kand. tekhn. nauk; KOKONIN, S.S., inzh.; SIMAKINA, I.L., red.

[Shock absorption and control of take-off and landing devices of airplanes] Amortizatsiia i upravlenie vzletno-posadochnykh ustroistv samoletov. Moskva, Mosk. aviatziyni in-t. im. Sergo Ordzhonikidze, 1962. 307 p.

(MIRA 17:4)

L 34821-66

ACC NR: AP6021490

SOURCE CODE: UR/0413/66/000/011/0140/0141

INVENTOR: Kokonin, S. S.; Reut, A. V.

ORG: none

TITLE: Inertial transducer Class 62, No. 182529

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 11, 1966, 140-141

TOPIC TAGS: inertial transducer, aircraft landing gear, AIRCRAFT ENGINE

ABSTRACT: An Author Certificate has been issued for an inertial transducer for the automatic braking of aircraft wheels, consisting of a flywheel and a clutch, connected with one axle, and a microswitch (see Fig. 1). To increase the transducer's reliability and stabilize its

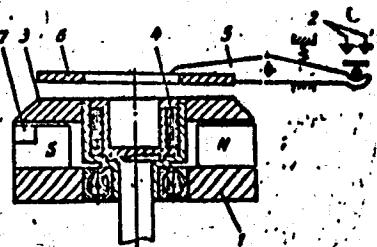


Fig. 1. Inertial transducer

1 - Flywheel; 2 - microswitch; 3 - armature;  
4 - clutch; 5 - arm; 6 - plate; 7 - cogs.

Card 1/2

UDC: 629.135/138

Card 2/2

KOKONIN, S.S.

p-3

PHASE I BOOK EXPLOITATION SOV/3604

Akademiya nauk SSSR. Institut mashinovedeniya

Povysheniye effektivnosti tormoznykh ustroystv. Svoystva friktsionnykh materialov (Increasing the Efficiency of Braking Devices. Properties of Friction Materials) Moscow, Izd-vo AN SSSR, 1959. 183 p. Errata slip inserted. 1,800 copies printed.

Resp. Ed.: V.S. Shchedrov, Doctor of Technical Sciences, Professor; Ed. of Publishing House: P.N. Belyanin; Tech. Ed.: T.V. Pol'yakova.

PURPOSE: This collection of articles is intended for engineers and scientific workers specializing in brakes and friction materials.

COVERAGE: The first group of articles deals with basic design measures for increasing the life and efficiency of brakes, the second group with problems related to the development and fields of application of new friction materials, the third group with testing methods and the results of investigations of friction

-Card 1/7

Increasing the Efficiency (Cont.)

SOV/3604

pairs and brakes, and the fourth group with the design of brakes and calculation data. No personalities are mentioned. References accompany most of the articles.

TABLE OF CONTENTS:

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| Principal published works of I.V. Kragel'skiy   | 7  |
| PART I. BASIC DESIGN MEASURES FOR INCREASING THE LIFE AND EFFICIENCY OF BRAKES  | 10 |
| Chupilko, G.Ye. Kinetic Energy Loading and Capacity of Aircraft Wheel Brakes  | 10 |
| The author discusses various types of landing gear brakes and   |    |

Card 2/7

Increasing the Efficiency (Cont.)

SOV/3604

their characteristics with respect to the steadily increasing landing speed of modern aircraft.

Chupilko, G.Ye., S.S. Kokonin, A.V. Reut, and V.P. Maslennikov.  
Automatic Braking of Aircraft During the Landing Run

26

The authors present results of a study of automatic brake systems, particularly the effect of matching characteristics and adjustment of the single members in particular systems on brake efficiency.

Pyzhevich, L.M. Basic Design Measures for Increasing the Life and Efficiency of Block Brakes

46

The author discusses the construction and operation of railroad brakes with respect to increasing the life and efficiency and cutting braking distances, and describes types of modern brakes in use and in the experimental stage.

PART II. DEVELOPMENT OF NEW FRICTION MATERIALS  
AND INVESTIGATION OF THEIR APPLICATIONS

62

Vvedenskiy, V.V., and A.K. Barinova. Investigation of Friction

Card 3/4

8 5826

10-9330

S/123/60/000/020/018/019  
A005/A001

Translation from: Referativnyy zhurnal, Mashinostroyeniye, 1960, No. 20, p. 476,  
# 113259

AUTHORS: Chupilko, G. Ye., Kokonin, S. S., Reut, A. V., Maslennikov, V. P.

TITLE: Automatical Braking the Aircraft at Landing Run

PERIODICAL: V sb.: Povysheniye effektivnosti tormozn. ustroystv. Svoystva frikts. materialov. Moscow, AN SSSR, 1959, pp. 26-45

TEXT: Pulse systems are described of automatical braking of remote action with an electrochemical inertia transmitter of pulses. The diagram of the system and the graphic characteristics of its operation are presented. The criteria of the effectiveness of the system are described; the 1- and 2-signal systems of automatical braking are compared, and the working principle is described. The diagram of the hydraulic system of automatic braking of a heavy aircraft is presented. New diagrams of the automatic braking system and their units are described, among them the automatic braking system with program control of the braking moment, their advantages and imperfections are pointed out. Diagrams and graphs are given.

A. L. V.

Translator's note: This is the full translation of the original Russian abstract.  
Card 1/1

KOZACHENKO, V.K., inzh.; KOKONIN, V.A., inzh.

Using precast construction elements in building water tanks  
for cooling towers, Promstroj. 38 no.145 '60.  
(MIRA 13:5)

1. Upravleniye stroitel'stva Permsstroy, (for Kozachenko).
2. Stroitel'nyy uchastik No.14 tresta TSentropsotsstroy (for Kokonin).

(Cooling towers) (Tanks)

L 04809-67 EWT(1) DW

ACC NR: AP6023012 (A) SOURCE CODE: UR/0167/66/000/002/0045/0049

AUTHOR: Kokonkov, Yu. N.; Tikhomirov, V. D.

31  
B

ORG: Tashkent Polytechnic Institute (Tashkentskiy politekhnicheskiy institut)

TITLE: Seismic stability of flexible structures and the effect of the associated soil mass

SOURCE: AN UzSSR. Izv. Ser tekhn n, no. 2, 1966, 45-49

TOPIC TAGS: seismicity, structure dynamic stability, soil mechanics, soil property ,  
GENERAL CONSTRUCTION, STRUCTURAL ENGINEERING

ABSTRACT: A flexible structure whose foundation rests on an elastic base of the thickness H is considered. Since the foundation does not get displaced in the horizontal direction, it may be assumed that displacements in the elastic base due to the movements of the foundation alone are directed vertically. The equation of motion of the foundation is derived with the aid of Hamilton's variational principle and on assuming that any earthquake-caused horizontal displacements of the flexible base vary little in depth. It is shown with the aid of the Laplace transform and the Bubnow-Galerkin system of equations that earthquake stresses get redistributed over the height of the structure as a function of soil pliability; an increase in soil pliability leads to a decrease in the torque acting on the structure's base. Given a fixed type

Cord 1/2